

SOIL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQUID MI	
APPLICATION DATE	05/01/15	AME
AIR TEMPERATURE	73	F
% REL.HUMIDITY	36	
WIND DIRECTION	NORTHWEST	
WIND SPEED	3.0	M/H
CLOUD COVER	CLEAR-0%	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	12.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	TO BE SEL	
FOLIAGE HEIGHT		FT
FOLIAGE WIDTH		FT
ROW WIDTH		FT
SPRAY VOL LWA/TRV		
S VOL LWA/TRV UNIT		
LEAF WALL AREA		M2H
TREE ROW VOLUME		M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	
CROP *		
P, CORN, DENT	---/01	
GH G10 D98-3122	/	IN
(PLANTED) 04/29/2015	2 DAP	

*** TIMING CODES**

09 = --- / PREEMERGENCE

*** STAGE CODE**

01 = BEGINNING OF IMBIBITION

TITLE: Effect of OR 079 on Preemergence Herbicide Residual Activity in Corn. AS-400
CREATED: 04/19/2015 **REVISED:** 07/16/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 05/13/15	SETFA CON % 05/13/15	CHEAL CON % 05/13/15	AMATA CON % 05/13/15	ABUTH CON % 05/13/15	PHBPU CON % 05/13/15
1A»CORVUS 2.6SC	0.114	LAA	9	0	43	91	93	80	37
2A»CORVUS 2.6SC	0.114	LAA	9	0	43	90	90	80	37
B»OR 079	16.00	ZMA	9						
3A»CORVUS 2.6SC	0.114	LAA	9	0	37	86	89	80	40
B»OR 079	32.00	ZMA	9						
4A»SHARPEN 2.85L	0.056	LAA	9	0	10	92	92	72	72
B»MSO	1.00	ZMA	9						
5A»SHARPEN 2.85L	0.056	LAA	9	0	10	89	91	73	73
B»OR 079	16.00	ZMA	9						
C»MSO	1.00	ZMA	9						
6A»SHARPEN 2.85L	0.056	LAA	9	0	10	92	92	70	75
B»OR 079	32.00	ZMA	9						
C»MSO	1.00	ZMA	9						
7A»ZIDUA 85WG	0.133	LAA	9	0	84	99	99	75	67
8A»ZIDUA 85WG	0.133	LAA	9	0	80	99	99	70	60
B»OR 079	16.00	ZMA	9						
9A»ZIDUA 85WG	0.133	LAA	9	0	82	99	99	70	65
B»OR 079	32.00	ZMA	9						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»ACURON 3.44 ZC	1.29	LAA	9	0	89	99	99	99	79
12A»ACURON 3.44 ZC	1.29	LAA	9	0	89	99	99	99	73
B»OR 079	32.00	ZMA	9						
LSD (0.05)				0.00	6.94	4.54	2.60	7.91	8.72
STANDARD DEVIATION				0.00	3.35	2.19	1.25	3.81	4.21

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1A»CORVUS 2.6SC	0.114	LAA	9	47	0	70	99	99	99
2A»CORVUS 2.6SC	0.114	LAA	9	43	0	73	99	99	99
B»OR 079	16.00	ZMA	9						
3A»CORVUS 2.6SC	0.114	LAA	9	43	0	65	99	99	99
B»OR 079	32.00	ZMA	9						
4A»SHARPEN 2.85L	0.056	LAA	9	70	0	0	98	99	82
B»MSO	1.00	ZMA	9						
5A»SHARPEN 2.85L	0.056	LAA	9	70	0	0	99	99	72
B»OR 079	16.00	ZMA	9						
C»MSO	1.00	ZMA	9						
6A»SHARPEN 2.85L	0.056	LAA	9	72	0	0	99	99	75
B»OR 079	32.00	ZMA	9						
C»MSO	1.00	ZMA	9						
7A»ZIDUA 85WG	0.133	LAA	9	67	0	96	99	99	99
8A»ZIDUA 85WG	0.133	LAA	9	63	0	94	99	99	98
B»OR 079	16.00	ZMA	9						
9A»ZIDUA 85WG	0.133	LAA	9	60	0	95	99	99	96
B»OR 079	32.00	ZMA	9						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»ACURON 3.44 ZC	1.29	LAA	9	80	0	96	99	99	99
12A»ACURON 3.44 ZC	1.29	LAA	9	73	0	96	99	99	99
B»OR 079	32.00	ZMA	9						
LSD (0.05)				8.39	0.00	7.87	1.18	0.00	8.78
STANDARD DEVIATION				4.00	0.00	3.80	0.567	0.00	4.23

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REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 05/22/15	XANST CON % 05/22/15	ZEAMD CON % 05/31/15	SETFA CON % 05/31/15	CHEAL CON % 05/31/15	AMATA CON % 05/31/15
1A»CORVUS 2.6SC	0.114	LAA	9	48	60	0	62	98	99
2A»CORVUS 2.6SC	0.114	LAA	9	48	60	0	60	99	99
B»OR 079	16.00	ZMA	9						
3A»CORVUS 2.6SC	0.114	LAA	9	47	58	0	52	99	99
B»OR 079	32.00	ZMA	9						
4A»SHARPEN 2.85L	0.056	LAA	9	65	68	0	0	83	99
B»MSO	1.00	ZMA	9						
5A»SHARPEN 2.85L	0.056	LAA	9	72	72	0	0	85	98
B»OR 079	16.00	ZMA	9						
C»MSO	1.00	ZMA	9						
6A»SHARPEN 2.85L	0.056	LAA	9	72	73	0	0	81	98
B»OR 079	32.00	ZMA	9						
C»MSO	1.00	ZMA	9						
7A»ZIDUA 85WG	0.133	LAA	9	65	47	0	93	96	99
8A»ZIDUA 85WG	0.133	LAA	9	58	47	0	93	93	99
B»OR 079	16.00	ZMA	9						
9A»ZIDUA 85WG	0.133	LAA	9	62	47	0	91	91	99
B»OR 079	32.00	ZMA	9						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»ACURON 3.44 ZC	1.29	LAA	9	80	80	0	85	99	99
12A»ACURON 3.44 ZC	1.29	LAA	9	76	78	0	87	98	99
B»OR 079	32.00	ZMA	9						
LSD (0.05)				12.46	10.93	0.00	7.74	7.00	1.52
STANDARD DEVIATION				6.00	5.27	0.00	3.73	3.37	0.734

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REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 05/31/15	PHBPU CON % 05/31/15	XANST CON % 05/31/15
1A»CORVUS 2.6SC	0.114	LAA	9	99	40	40
2A»CORVUS 2.6SC	0.114	LAA	9	99	40	40
B»OR 079	16.00	ZMA	9			
3A»CORVUS 2.6SC	0.114	LAA	9	99	50	40
B»OR 079	32.00	ZMA	9			
4A»SHARPEN 2.85L	0.056	LAA	9	99	50	43
B»MSO	1.00	ZMA	9			
5A»SHARPEN 2.85L	0.056	LAA	9	98	47	40
B»OR 079	16.00	ZMA	9			
C»MSO	1.00	ZMA	9			
6A»SHARPEN 2.85L	0.056	LAA	9	99	50	47
B»OR 079	32.00	ZMA	9			
C»MSO	1.00	ZMA	9			
7A»ZIDUA 85WG	0.133	LAA	9	99	68	47
8A»ZIDUA 85WG	0.133	LAA	9	99	63	53
B»OR 079	16.00	ZMA	9			
9A»ZIDUA 85WG	0.133	LAA	9	99	65	47
B»OR 079	32.00	ZMA	9			
10A CHECK	0.00	NA	0	0	0	0
11A»ACURON 3.44 ZC	1.29	LAA	9	99	74	80
12A»ACURON 3.44 ZC	1.29	LAA	9	99	70	80
B»OR 079	32.00	ZMA	9			
LSD (0.05)				1.13	8.71	10.00
STANDARD DEVIATION				0.544	4.20	4.82

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING

09 = --- / PREEMERGENCE 05/01/2015(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/13/2015	01	P	ZEAMD		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/13/2015	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/13/2015	03	P	CHEAL		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/13/2015	04	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/13/2015	05	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/13/2015	06	P	PHBPU		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/13/2015	07	P	XANST		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	05/22/2015	01	P	ZEAMD		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	05/22/2015	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	05/22/2015	03	P	CHEAL		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	05/22/2015	04	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	05/22/2015	05	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	05/22/2015	06	P	PHBPU		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	05/22/2015	07	P	XANST		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	05/31/2015	01	P	ZEAMD		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	05/31/2015	02	P	SETFA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	05/31/2015	03	P	CHEAL		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	05/31/2015	04	P	AMATA		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	05/31/2015	05	P	ABUTH		RAW	ALL	CON %	---	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
020	PHBPU	CON %	05/31/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	05/31/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = GH G10 D98-3122